

19990916.qrp v01_n581.qrl.990916

Date: Thu, 16 Sep 1999 19:03:10 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1581

QRP-L Digest 1581

Topics covered in this issue include:

- 1) [50461] Re: Antenna stand-offs
by Rick Sealey <rsealey@InfoAve.Net>
- 2) [50462] Re: OT eBay Spam Not QRP
by "Randy Jouett" <rules@bellsouth.net>
- 3) [50463] KF4KSM on lower part of the bands, timing of upgrade /ULS, code
newbies
by Macstein@aol.com
- 4) [50464] Ferrite Rod Inductors
by charles k brown <n4so@juno.com>
- 5) [50465] Headphones
by K10J <k1oj@ditdit.com>
- 6) [50466] Need address
by "C. Lamar Derk" <n3at@noln.com>
- 7) [50467] Re: Loop on fascia board
by Dean W Manley <kh6b@juno.com>
- 8) [50468] aa5yx: SST sidetone
by aa5yx@juno.com
- 9) [50469] Re: Jersey QRPers doing AFIELD this Saturday: WQ2RP
by aa5yx@juno.com
- 10) [50470] Throwing the Sheep to the Wolves
by K10J <k1oj@ditdit.com>
- 11) [50471] E-mail filters....
by Tom Randall <trandall@idsi.net>
- 12) [50472] Re: Throwing the Sheep to the Wolves
by k1vp@lawson-philpot.com
- 13) [50473] ARRL DX CW Contest Results
by Richard Sherman <srichard@aldus.northnet.org>
- 14) [50474] Re: Loop on fascia board (was Re: Antenna standoffs)
by "Nick Kennedy" <nkennedy@cswnet.com>
- 15) [50475] Re: Headphones
by "Nick Kennedy" <nkennedy@cswnet.com>
- 16) [50476] Re: E-mail filters....
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 17) [50477] Canadian Question
by "Ron Polityka" <wb3aal@talon.net>
- 18) [50478] Re: QRP Afield: Reporting
by Clay N4AOX <wyn@worldnet.att.net>

- 19) [50479] DSW-20 - First Contact
by "Michael A. Newell" <wb4huc@texas.net>
- 20) [50480] Re: Headphones
by "Mike Yetsko" <myetsko@insydesw.com>
- 21) [50481] RHR NC-20 On The Air
by Richard Arland <k7sz@epix.net>
- 22) [50482] Tuna Tin 2 at W1AW
by charles k brown <n4so@juno.com>
- 23) [50483] Re: perforated foam source?
by Bob Hightower <ki7mn@extremezone.com>
- 24) [50484] knob "pointer" touch up
by "Dave Benham" <dodgeboy@mindspring.com>
- 25) [50485] Re: Headphones
by Bob Hightower <ki7mn@extremezone.com>
- 26) [50486] Re: knob "pointer" touch up
by Terry Bendell <terryb@bmts.com>
- 27) [50487] Re: knob "pointer" touch up
by Pete Burbank <plburbank@kih.net>
- 28) [50488] Fw: LDG AT-11 w/Enclosure & 2m Preamp
by "Mike Rhodes" <weightdn@bright.net>
- 29) [50489] Paint those Knobs!
by RLucch2098@aol.com
- 30) [50490] Re: knob "pointer" touch up
by ka7you@juno.com
- 31) [50491] Re: knob "pointer" touch up
by PUNISHER3@aol.com
- 32) [50492] Re: knob "pointer" touch up
by DOCKROCK1T@aol.com
- 33) [50493] Re: Headphones
by guillotstutoring@juno.com
- 34) [50494] Plans for QRP Afield
by Jeff Grudin <grudin@vdbbs.com>
- 35) [50495] Re: DK9SQ mast
by Phil Wheeler <w7ox@mindspring.com>
- 36) [50496] HeathKit HW-8
by wa8rxi@juno.com
- 37) [50497] handkey update
by "Scott Howell" <n3byy@yahoo.com>
- 38) [50498] Whistlers and Floyd
by John R Kirby <n3aaz-qrp@juno.com>
- 39) [50499] storm stuff
by "Jerry W. O'Dell" <jwodell@ameritech.net>
- 40) [50500] Re: Antenna stand-offs
by "Chuck Carpenter" <w5usj@globeco.net>
- 41) [50501] Re: Antenna stand-offs
by "William R. Colbert" <af852@rgfn.epcc.edu>
- 42) [50502] Re: storm stuff
by "Ken Hanks" <ken.hanks@po.state.ct.us>

- 43) [50503] storm stuff
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 44) [50504] The Black Cat Tuna Tin 2 Event
by Bruce Muscolino <w6toy@erols.com>
- 45) [50505] Re: BNC's for RG-174?
by Bill B Lazure <n2tpa@juno.com>
- 46) [50506] Weird 2n2/40 problem
by Bill B Lazure <n2tpa@juno.com>
- 47) [50507] AR QRP 40m Net Results
by Robsparks@aol.com
- 48) [50508] ZM-2 Construction
by Phil Wheeler <w7ox@mindspring.com>
- 49) [50509] appology to the list members
by ka7you@juno.com
- 50) [50510] Mailing lists and reflectors
by charles k brown <n4so@juno.com>
- 51) [50511] Re: Headphones
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 52) [50512] QRP Afield this weekend
by jaywa5whn@juno.com
- 53) [50513] NORCAL's toroid kit - designers info [long]
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 54) [50514] QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
by "Dick Schneider" <dschneider2@uswest.net>
- 55) [50515] Re: NORCAL's toroid kit - designers info [long]
by David Hinerman <dlh1009@ritvax.isc.rit.edu>
- 56) [50516] Re: Contest Software. Was Re: Open Letter
by Jim Lowman <jmlowman@ix.netcom.com>
- 57) [50517] NorCal Tuna Tin Offer for Pacificon Attendees only
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 58) [50518] FS: MFJ 9040
by "George Goodroe" <goodroe@worldnet.att.net>
- 59) [50519] Re: QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
by Jim Hale <kj5tf@yahoo.com>
- 60) [50520] RAC plaques
by Bruce Rattray <rattray@gpfn.sk.ca>
- 61) [50521] Re: NORCAL's toroid kit - designers info [long]
by Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
- 62) [50522] RE: Standoffs & Horizontal Loop
by "Jerry Bartachek" <jbartac@max.state.ia.us>
- 63) [50523] Need Address
by "C. Lamar Derk" <n3at@noln.com>
- 64) [50524] Re: BATTERY RATING QUESTION
by Zack Lau <zlau@arrl.org>
- 65) [50525] RAC plaques (fwd)
by Bruce Rattray <rattray@gpfn.sk.ca>
- 66) [50526] Re: QRP-L, Let's take it back!!!
by "Edward A Kwik jr" <eakwikjr@hti.com>

- 67) [50527] A BIG THANK YOU!!
by Bruce Rattray <rattray@gpfn.sk.ca>
68) [50528] Re: BNC's for RG174?
by n5ib@juno.com
69) [50529] Re: E-mail filters....
by "Robert Roach" <KE4Q0K@worldnet.att.net>
70) [50530] RE: BNC's for RG174 ?
by Michael Melland <badger@vbe.com>
71) [50531] Hy-Gain AV-640 Info?
by Davewb4@aol.com
72) [50532] QRP plaque picture
by Bruce Rattray <rattray@gpfn.sk.ca>
73) [50533] K2 & Obsessions
by Bob Patten <n4bp@bc.seflin.org>
74) [50534] Re: ZM-2 Construction
by Tom M <tjmc@erols.com>
75) [50535] Small Yagi beams
by "williswonkas" <williswonkas@email.msn.com>
76) [50536] Pot Core Question..
by "Phinizy, William" <wphinizy@filenet.com>

Date: Wed, 15 Sep 1999 19:03:27 -0400
From: Rick Sealey <rsealey@InfoAve.Net>
To: bcutter@teal.csn.net
Cc: qrp-l@lehigh.edu
Subject: [50461] Re: Antenna stand-offs
Message-ID: <4.1.19990915190117.00c77b70@mail.infoave.net>
MIME-version: 1.0
Content-type: text/plain; charset="us-ascii"

At 08:01 AM 09/15/1999 -0600, you wrote:
>I want to install a loop around the perimeter of my home, at the roof line.
>
>Has anyone seen any sort of stand-off? I would prefer plastic or ceramic or
>something other than the old TV stand-offs.
>
>72, Bob KI0G

Bob,

Try the hardware stores for electric fence insulators. You can probably find something of suitable size and shape.

72,
Rick - W4SEA

Date: Wed, 15 Sep 1999 18:05:28 -0500
From: "Randy Jouett" <rules@bellsouth.net>
To: <ku7y@dri.edu>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50462] Re: OT eBay Spam Not QRP
Message-ID: <014f01beffce\$f54b9630\$6d67d6d1@spock>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----

From: Monte Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, September 14, 1999 1:28 PM
Subject: OT eBay Spam Not QRP

Hi Ron/Gang,

>Now that all the "filter everything out but "pure" posts
>folks are out of the way.....
>
>Those of you who are thinking about getting a new O-scope
>might like to know that there is now a HP scope that you
>can talk to.....not only that, it understands what you are
>saying!!

Umm. THIS POST IS OFF TOPIC AND DOESN'T
BELONG ON QRP-L!!!!!!!!!!!!!! :^) :^) :^). Just picking,
Ron, and thanks for the info!

Maybe I should post a message like this every time
I see a "pure post" whiner post something off topic?
That could work! :^)

72/73,

Randy Jouett, AB5NI

Date: Wed, 15 Sep 1999 19:12:10 EDT
From: Macstein@aol.com
To: qrp-1@lehigh.edu
Subject: [50463] KF4KSM on lower part of the bands, timing of upgrade /ULS, code
newbies
Message-ID: <e4b7b1d0.251181ca@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi all!

I gotta say, the lower part of the bands are sure a lot of fun! People can really HEAR down there. I've worked as much 2xQRP DX in the past 10 days that I had all year prior!

Now, I did go for the new call sequentially assigned, thinking I could always go back if it ended in "QO" (GRIN). AF4PQ was assigned to a GA ham on Sept. 4 (the day of my testing.) My VEs assured me the forms would be forwarded promptly. I WOULD choose to upgrade while the FCC is implementing the ULS and fiddling with their database! The QRZ and ArkARC sites indicate the upgrade reports are not accessible to them yet. The FCC/ULS site shows me as still KF4KSM. So, I wait. How long does this take? It's only been 11 days, but this is worse than waiting on QRPp to be delivered!

Anyway, my goal was to upgrade before the restructuring. That, I have done. Now my goal is to work more new hams on CW in the Novice bands than Ron Keener, WA0REE! Any Tech+s or Generals who want to sked practice...just yell.

72
-MAC-

Date: Wed, 15 Sep 1999 19:12:15 EDT
From: charles k brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [50464] Ferrite Rod Inductors
Message-ID: <19990915.231031.7559.2.n4so@juno.com>

The booklet is titled-
Iron Powder and Ferrite Coil Forms-

Pub. by Amidon Assoc. 85 pages// \$4.50
Also from Bytemark as discussed earlier.
Amidon, Inc.

P. O. Box 25867
Santa Ana, CA 92799
714-850-4660

Amidon carries the Jerry Sevick, W2FMI books
Transmission Line Transformers, one published by
ARRL and the other by Amidon, and also the book on
building baluns and ununs.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 18:29:56 -0500
From: K10J <k10j@ditdit.com>
To: QRP-L Discussion <qrp-l@Lehigh.EDU>
Subject: [50465] Headphones
Message-ID: <006b01beffd2\$388c81e0\$3cb83ed8@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy All...

I was recently at a friends station and we were listening to the difference between his Heil headphones and mine. I could not figure out why his had an 'easier' to hear cw note. Finally he told me he had reversed the plus and minus wires on only one ear element. The improvement was notable. How does this work?

OJ---K10J
QRP-L #732
..

Date: Wed, 15 Sep 1999 19:46:48 -0700
From: "C. Lamar Derk" <n3at@no1n.com>
To: -Reflector <qrp-l@lehigh.edu>
Subject: [50466] Need address
Message-ID: <37E05A17.E932D257@no1n.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gangue -

Just reporting on a delightful QSO I had this evening on 40 meters. Worked John F. Harper, AA5YX, who was using his just completed NorCal SST - he built it in one day! And I think I was his second contact. I would like to send him my QSL, but don;t have his current address, He is in Wayne, NJ. If anyone can give me his street address and zip code, it would be much appreciated!

72 de Lamar

Date: Wed, 15 Sep 1999 19:41:02 EDT
From: Dean W Manley <kh6b@juno.com>
To: qrp-l@Lehigh.EDU
Cc: kh6b@juno.com
Subject: [50467] Re: Loop on fascia board
Message-ID: <19990915.134624.5391.0.kh6b@juno.com>

The alternative to the "hot glue" idea...

I installed my "invisible quad" under the eaves, using a staple gun. This was at a previous location. Actually, it was a "one-turn loop" around the house. BTW, a great NVIS antenna.

Aloha,
Dean KH6B
Hilo Hawaii

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 19:47:30 -0400
From: aa5yx@juno.com
To: QRP-L@Lehigh.EDU
Subject: [50468] aa5yx: SST sidetone
Message-ID: <19990915.194731.16798.2.aa5yx@juno.com>

They say that if you only have one clock, you always know the correct time but if you have two, you are never quite certain which clock is correct. I now have 2 SSTs - one for 30m and one for 40m (which I just completed today) and they both have quite different sidetone pitches.

The sidetone in the 40m version is a lot higher than that in the 30m rig, but according to the troubleshooting guide, I can adjust this tone by changing C10. My first question is, whether or not I make this adjustment, do I tune to a station by matching his tone to that of my own sidetone, even though the sidetone in my 40m SST seems higher than I think it should be?

And part 2 of the question is, to lower the tone, should C10 be a higher or lower value? I'm betting it should higher but if anyone knows for sure, it might save me a step in unsoldering/resoldering!

FWIW, the new rig works great. I just had my 1st QSO with it with W8IMP in Detroit and then was called by N3AT in PA who gave it a thumbs up.

Thanks and 72,

John Harper AA5YX/2
HW-9, OHR-100A/20m, NC40A, SST/40, SST/30, NC20
YashicaMat 124G Info Page: <http://home.att.net/~j..harper>

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 19:46:49 -0400
From: aa5yx@juno.com
To: njqrp@njqrp.org
Cc: qrp-1@Lehigh.EDU
Subject: [50469] Re: Jersey QRPers doing AFIELD this Saturday: WQ2RP
Message-ID: <19990915.194731.16798.1.aa5yx@juno.com>

>So, George N2APB and Dave N2ZHY will be pitchin' tents and
>antennas in the park for an all-afternoon AFIELD event and
>an all-night QRP operating adventure! Tony W2GUM will be
>bringing his much-heralded 30-foot DK9SQ antenna (also
>holding a 20m delta loop) and Gummer Tilt-Over Base to help
>us in the park.

>72, George N2APB

> n2apb@amsat.org

I'll be there with tent and rig as well. I don't know which rig to bring but I'll probably use my car battery for power. Have I read the posts correctly in that there will be antennas galore and I would only need to bring a rig and not my own antenna?

I will be on site early to help with antennas and will have my MFJ antenna analyzer as well. And I guess with Floyd coming thru, the charcoal restrictions in NJ parks has been lifted. Anyone know if there are grills at this location?

See yall Saturday,

John Harper AA5YX/2
HW-9, OHR-100A/20m, NC40A, SST/40, SST/30, NC20
YashicaMat 124G Info Page: <http://home.att.net/~j..harper>

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 18:57:55 -0500
From: K10J <k10j@ditdit.com>
To: QRP-L Discussion <qrp-l@Lehigh.EDU>
Cc: NARS <nars@onelist.com>
Subject: [50470] Throwing the Sheep to the Wolves
Message-ID: <007701beffd6\$21065560\$3cb83ed8@swbell.net>
MIME-version: 1.0
Content-type: text/plain; charset="iso-8859-1"
Content-transfer-encoding: 7bit

Howdy...

Let me introduce the players...

The Sheep: Elecraft K2 and Oak Hills Research OHR-400

The Wolves: Icom IC-775dsp, Yeasu FT-1000d, Ten Tec Omni VI+, Kenwood TS-850, Ten Tec Triton IV

Why these rigs? Because these are the ones available to me.

What is the purpose? Receiver performance comparison under real world conditions.

How was the comparison made? Four or more of the Wolves on line simultaneously with the Sheep. Same antenna, same rx signal.

Results? To follow.....

What is really happening here is that I found myself with all these rigs and

I just could not resist. The preliminary results are truly enlightening at least to me and sure to be controversial. Anyone can compare Specs and determine which should be the best. I don't look at it that way. I want the put them all on line and 'see' what I can or cannot hear.

Stay tuned for more. Complete results in a week or two.

OJ---K10J
QRP-L #732
..

Date: Wed, 15 Sep 1999 19:58:56 -0400
From: Tom Randall <trandall@idsi.net>
To: qrp-l@Lehigh.EDU
Subject: [50471] E-mail filters....
Message-ID: <199909152358.TAA24798@pop.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Rick wrote:

"For those folks who must post eBay notices, flames, opinions, etc. please put the keyword "eBay" in the subject field on the message. That way those who could care less about eBay can filter your message out."

Great idea but what if you get the digest version of the list? I use Eudora light version 1.5.2, no filters. Does the filter thing work if you get the digest version of the list? Probably time for me to get a new mail program, with filters...

73,
Tom

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)
Amateur Radio - KB2SMS
Mt. Beacon Amateur Radio Club / ARRL / 10-10 / QRP-L #1965
Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www1.mhv.net/~trandall/welcome.html>

Date: Wed, 15 Sep 1999 20:29:56 -0700
From: Richard Sherman <srichard@aldus.northnet.org>
To: qrp-1@Lehigh.EDU
Subject: [50473] ARRL DX CW Contest Results
Message-ID: <3.0.6.32.19990915202956.00c84a00@aldus.northnet.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Although this has been brought up before regarding other contests, it's still interesting to look at. While looking over the single op results in the October 1999 QST, I counted roughly 31 sections in the continental US that did not have a QRP score listed. That's close to half the continental US sections. There were 3 Canadian QRPers listed that I saw, I may have missed one. Three of the larger sections, with what appeared to be the highest total of entries each, Eastern Mass, Western NY, and Illinois, did not have a QRP entry. Many sections only had one QRP entry. We need to improve this. Please send in your logs. Even if you only made one contact, you might just win a certificate for your section.
72 de Rick WZ2T NNY

srichard@northnet.org
---If you're not part of the solution,
 You're part of the precipitate.---
 Steven Wright

Date: Wed, 15 Sep 1999 20:03:04 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <w4pj@w4bkx.ampr.org>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50474] Re: Loop on fascia board (was Re: Antenna standoffs)
Message-ID: <005001beffdf\$3dd965c0\$a8c888d1@big>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

-----Original Message-----
From: w4pj@w4bkx.ampr.org <w4pj@w4bkx.ampr.org>

>I used insulated wire and a hot glue gun. Glued the wire in place abt.
>every foot or so and painted over it. Actually I painted the entire
trim.<g>

>It was nearly invisible. Used Latex paint.
>
>de (Scott) W4PJ
>(Don't make something complicated out of something simple.)
>

And I bet your method stands a much better chance of winning spousal approval than the one with standoffs circling the whole house! We're living in a Tesla coil!

Nick

Date: Wed, 15 Sep 1999 20:12:23 -0500
From: "Nick Kennedy" <nkennedy@cswnet.com>
To: <k1oj@ditdit.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50475] Re: Headphones
Message-ID: <006b01beffe0\$89310180\$a8c888d1@big>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Well, assuming the mfg'r bothered to make them be in phase in the first place, I guess it would make them be out of phase. Why this would sound better, I have no idea.

In stereo (speaker) systems, you take pains and perform tests to make sure the speakers are in phase. Out of phase interaction cancels the sound, especially the bass.

I always figgered with phones, since the sounds don't get to interact, it wouldn't make any difference. Maybe they interact inside your noggin.

Nick, WA5BDU

-----Original Message-----
From: K10J <k1oj@ditdit.com>

>Howdy All...
>I was recently at a friends station and we were listening to the difference
>between his Heil headphones and mine. I could not figure out why his had
>an
>'easier' to hear cw note. Finally he told me he had reversed the plus and
>minus wires on only one ear element. The improvement was notable. How does

>this work?

Date: Thu, 16 Sep 1999 01:13:46 +0100
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <trandall@idsi.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50476] Re: E-mail filters....
Message-ID: <012401beffd8\$5911a520\$c642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You got that right Tom, get something new. I went from 220 messages a day to 80 with filters. I plan to tighten the filters even more.
de Steve, W8SFF

Date: Wed, 15 Sep 1999 21:21:41 -0400
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-1@Lehigh.EDU>
Subject: [50477] Canadian Question
Message-ID: <005301beffe1\$d5f6d340\$c0e508cf@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello,

I will keep it brief. Does anyone know of any Hamfest in Toronto , Ontario area? This is for a friend that is getting started in QRP and would like to pick up some parts for homebrewing.

Thanks,
72 & 73
Good DXing

Ron Polityka
de WB3AAL
wb3aal@talon.net

vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aa1/Start_Page.htm
Eastern Pennsylvania QRP Club Call --> N3EPA

EPA QRP #1	NJ QRP #179
KL7 QRP # 309	G-QRP # 3031
ARCI QRP # 5318	10 - X #13173
NorCal	Zombie #625
ARS # 380	

SETI @ Home Project
<http://setiathome.ssl.berkeley.edu>

Date: Wed, 15 Sep 1999 21:19:54 -0400
From: Clay N4AOX <wyn@worldnet.att.net>
To: nn1g@earthlink.net
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [50478] Re: QRP Afield: Reporting
Message-ID: <37E045BA.2CBF@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

David Benson wrote:

>
> gang-
>
> I realize it's early, but I thought I'd turn over a new leaf and post 'QRP
> Afield' reporting guidelines before you need them*.
how do you score, please?

72/73,
Clay N4AOX

Date: Wed, 15 Sep 1999 20:30:09 -0500
From: "Michael A. Newell" <wb4huc@texas.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>, Austin QRP Club Mailing
List <AQR@onelist.com>
Subject: [50479] DSW-20 - First Contact
Message-ID: <37E04821.D0F2283B@texas.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Folks:

I received my DSW-20 board kit last week, on Tuesday. Didn't start on it right away, but I did get the board completed last Sunday afternoon around 1700 local. I'm a bit slow and clumsy, so it took me a total of about 9 hours to finish the board.

Don't have the enclosure kit yet, so I went to the local parts store for the connectors and such that I needed.

Tonight I was able to sit down and finish hooking everything up, and even though it's spread all over the table, wires and clip leads hanging all over the place, I made my first QSO this evening about 0045Z with Sara, W4EEX, in Louisville, KY.

Haven't measured the power out yet, that's next. It sure is nice having the freq readout and keyer all in the rig. Can't wait to get it installed in the shiny blue enclosure when it gets here.

If I can put the thing together and make it work, anyone can. I recommend it HIGHLY. I think it's gonna be a LOT of fun.

72,

--

Michael A. Newell - WB4HUC
Austin, TX
QRP-L 1668
<http://wb4huc.home.texas.net/>

Date: Wed, 15 Sep 1999 21:38:29 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>

To: <k1oj@ditdit.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50480] Re: Headphones
Message-ID: <006201beffe6\$35260e40\$f652fea9@dads-hp>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Howdy All...

>I was recently at a friends station and we were listening to the difference
>between his Heil headphones and mine. I could not figure out why his had
an

>'easier' to hear cw note. Finally he told me he had reversed the plus and
>minus wires on only one ear element. The improvement was notable. How does
>this work?

>

>OJ---K10J

>QRP-L #732

>

Well, some people say it doesn't matter, but years ago, back
either the real late 60's or may as late as 73 or so, the magazine
Popular Electronics had a construction article for using stereo
headphones. What they did was 'phase' the channels, so that
at a lower frequency it was all left for example, and at higher
frequency it was all right channel. This gave a 'spatial
perception' to the sound based on frequency that made it
real easy to pull CW or even voice out of a crowded signal
by thinking of 'pointing at' the sound in your mind.

Some people felt it was the phase difference between the
signals and not just the amplitude that did the trick, so it
probably does make a big difference.

Mike Yetsko
N1DVJ

Date: Thu, 16 Sep 1999 01:57:10 -0400
From: Richard Arland <k7sz@epix.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [50481] RHR NC-20 On The Air
Message-ID: <37E086B6.789FFDE8@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just got my Red Hot Radio NorCal 20 from Dave Fifield on the air tonight. Managed to work a ZP5 and a PY3 in quick succession on the low end of 20 meters. Got a 599 from the ZP5 and a 559 from the PY3.

This is a GREAT little radio. I am use to a much wider IF bandwidth so I am going to have to modify my tuning procedures as I tend to tune past a station if I'm not careful.

The rig is nice and stable, instruction set is outstanding, the tone on the TX sounds nice and clean, good keying characteristics...in all, well worth the money. Unfortunately my K1EL keyer chip will not work as a TiCK replacement. Gonna have to send somebody \$15!

Since Tricia and I have decided NOT to go to VA Beach hamfest this weekend (something about Hurricane Floyd) I will be using this rig in the QRPTTF event.

Life is good. (Dave, you done good, son!) The little red case sure presents a "sexy" radio!

73 Rich K7SZ

Date: Wed, 15 Sep 1999 22:10:48 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu
Subject: [50482] Tuna Tin 2 at W1AW
Message-ID: <19990916.020854.7463.5.n4so@juno.com>

Special Events// Tina Tin 2

Operating the original Tuna Tin 2 built by Doug
Demaw, W1FB, American Radio Relay League,
W1AW, 0000Z Oct. 30 to 2359Z Oct. 31
7040 14060 10106. Certificate.
ARRL 225 Main St. Newington, CT 06111
page 85 in QST mag. Oct. 1999.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 19:44:44 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: akanis@divis17.ped-gen.uiowa.edu
Cc: qrp-1@lehigh.edu
Subject: [50483] Re: perforated foam source?
Message-ID: <199909160235.TAA18839@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 05:45 PM 9/15/99 -0500, you wrote:

>paul,
>
>> Anyone know a source of the perforated foam used in camera cases
>> and the like, that can be pulled out in 1/2" square sections?
>
>Porters Camera Store <http://www.porters.com> 1-800-553-2001
> since you are considered "foreign" you may need to use 319/268-0104
>
>on the web:
> search for "replacement foam" and go to page 3, it's toward the bottom.
>
> Product #'s 08-0294W (1 piece pre-cut = \$10.50)
> 08-0295W (1 piece pre-cut, 1 uncut = \$11.95)
> (the cut is 18x13x2" and uncut is 18x13x1")
>
>I'm probably going to order some of this for the hard case that i bought
>from Harbor Freight that i'll likely be using for my Elecraft K2.
>

Adam, per your advice, I ordered the two piece product, and it works FB in the Harbor Freight case. Had to cut the one piece to size, and the pre-cut piece worked out great.

Good service from Porter's, as well.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Wed, 15 Sep 1999 22:39:08 -0400
From: "Dave Benham" <dodgeboy@mindspring.com>
To: <qrp-1@Lehigh.EDU>
Subject: [50484] knob "pointer" touch up

Message-ID: <01a101beffec\$a793d240\$4c0f8ad1@hqa.chrysler.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This may be off topic, but I would like to touch up the little white indentation "pointers" on some black bakelite knobs. When I was a kid it seems there used to be some white grease paint stuff made for rubbing into these indentations on knobs and such, then you wiped off the excess and the knob looked like new. Does anyone out there have a modern day solution for this? I have tried white model paint but it makes a mess -- dries too fast and too hard to wipe off the excess.

Thanks & 73,
Dave K8TRF

Date: Wed, 15 Sep 1999 19:47:06 -0700
From: Bob Hightower <ki7mn@extremezone.com>
To: k1oj@ditdit.com
Cc: qrp-1@lehigh.edu
Subject: [50485] Re: Headphones
Message-ID: <199909160238.TAA19374@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

At 06:29 PM 9/15/99 -0500, you wrote:=20

>
> Howdy All...
> I was recently at a friends station and we were listening to the=
difference
> between his Heil headphones and mine.=A0 I could not figure out why his=
had an
> 'easier' to hear cw note. Finally he told me he had reversed the plus and
> minus wires on only one ear element. The improvement was notable.=A0 How=
does
> this work?

Probably has something to do with the phasing of the signal from the=
speakers
in each ear piece. I remember years ago when stereo was new, the deal was to
make sure the speakers were 'in phase', but they sounded better to me if=
they
were out of phase.

Bob Hightower KI7MN

<http://www.extremezone.com/~ki7mn>

Date: Wed, 15 Sep 1999 23:00:54 +500
From: Terry Bendell <terryb@bmts.com>
To: <dodgeboy@mindspring.com>
Cc: <qrp-1@Lehigh.EDU>
Subject: [50486] Re: knob "pointer" touch up
Message-ID: <199909160255.WAA08313@Alice.BMTS.Com>
MIME-Version: 1.0

Hi Dave

Believe it or not I use a standard bottle of "White out" comes with a nice fine applicator brush and can be purchased at any office or drug store. Easy to clean up excess and dries nicely in the small crevice of the control. You can like apply a little bit of clearcoat after it dries if you wish but I dont usually bother as the results are quite good.

Hope this helps

On 1999-09-15 dodgeboy@mindspring.com said:

>This may be off topic, but I would like to touch up the little white
>indentation "pointers" on some black bakelite knobs. When I was a
>kid it seems there used to be some white grease paint stuff made
>for rubbing into these indentations on knobs and such, then you
>wiped off the excess and the knob looked like new. Does anyone out
>there have a modern day solution for this? I have tried white
>model paint but it makes a mess -- dries too fast and too hard to
>wipe off the excess. Thanks & 73,
>Dave K8TRF

Net-Tamer V 1.11.2 - Test Drive

Date: Wed, 15 Sep 1999 23:14:14 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-1@Lehigh.EDU>
Subject: [50487] Re: knob "pointer" touch up

Message-ID: <3.0.32.19990915231410.006856b4@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:39 PM 9/15/99 -0400, you wrote:

>This may be off topic, but I would like to touch up the little white
>indentation "pointers" on some black bakelite knobs. When I was a kid it
>seems there used to be some white grease paint stuff made for rubbing into
>these indentations on knobs and such, then you wiped off the excess and the
>knob looked like new. Does anyone out there have a modern day solution for
>this? I have tried white model paint but it makes a mess -- dries too fast
>and too hard to wipe off the excess.

>Thanks & 73,

>Dave K8TRF

McMaster-Carr has something called a lacquer stick that works
very well.

73 Pete NV4V

Date: Wed, 15 Sep 1999 23:22:09 -0400
From: "Mike Rhodes" <weightdn@bright.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50488] Fw: LDG AT-11 w/Enclosure & 2m Preamp
Message-ID: <00cd01befff2\$ab1fa960\$2d278fd1@weightdn>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Thanks to all who have responded. The preamp is spoken for. However, the
autotuner is still available. Thanks and 72 de

Mike / W8FN

----- Original Message -----

From: Mike Rhodes <weightdn@bright.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Sent: Sunday, September 12, 1999 10:32 PM
Subject: FS: LDG AT-11 w/Enclosure & 2m Preamp

Greetings All,

I find I no longer have a need for my AT-11 autotuner with enclosure. Unit
was built from a kit and looks and operates fine. Asking \$150 shipped to
lower 48.

Also have SSB Electronics 2meter mastmount preamp, model SP-2, which will RF switch up to 200 watts. Never used. \$175 shipped to lower 48.

Thanks and 72 de
Mike / W8DN

Date: Wed, 15 Sep 1999 23:46:32 EDT
From: RLucch2098@aol.com
To: qrp-1@lehigh.edu
Subject: [50489] Paint those Knobs!
Message-ID: <b92c9a79.2511c218@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Subj: Re: knob "pointer" touch up
Date: 09/15/99
To: dodgeboy@mindspring.com

In a message dated 99-09-15 22:44:39 EDT, you write:

> Does anyone out there have a modern day solution for
> this? I have tried white model paint but it makes a mess -- dries too fast
> and too hard to wipe off the excess.
> Thanks & 73,
> Dave K8TRF

Hi Dave;
I got my oil based "PAINT STICK" or "oil bar" as they call it at a Arts and Crafts store that sell artist paints and crafts supplies, they are very cheep for the amount of knobs that you can touch up!
All sorts-o-colors too!
Good Luck.
Thanks es 73....Rich WA2RQY (1961)
WA2RQY's "confusion Radio" Web-Page
[Http://members.aol.com/rlucch2098/index.html](http://members.aol.com/rlucch2098/index.html)
RLUCCH2098@aol.com
"Keep those heaters on"

Date: Wed, 15 Sep 1999 23:56:28 EDT
From: ka7you@juno.com
To: dodgeboy@mindspring.com
Cc: qrp-1@Lehigh.EDU
Subject: [50490] Re: knob "pointer" touch up
Message-ID: <19990915.205749.7823.15.ka7you@juno.com>

Dave and others with the interest

Engravers use it on a regular basis. It is sold most often like a grease pencil or large crayon, but there is also a kind which is more of a liquid.

I have some, from many years ago, at work. We still have a New Hermes engraver for the plastic badges etc.

There is an outfit called Johnson Plastics (no relation), with several warehouses around the country as I recall, which supplies engraving plaque materials, but I don't have a catalog anymore.

You might try a web search. If that does not turn up anything, I probably have an old receipt here, and can get the info. Try looking under engraving in the yellow pages of a larger metropolitan area directory. I would bet there will be someone there who could help you find it.

7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.

160M thru 1296 MHz-higher bands pending

ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

On Wed, 15 Sep 1999 22:39:08 -0400 "Dave Benham"

<dodgeboy@mindspring.com> writes:

>This may be off topic, but I would like to touch up the little white
>indentation "pointers" on some black bakelite knobs. When I was a kid
>it
>seems there used to be some white grease paint stuff made for rubbing
>into
>these indentations on knobs and such, then you wiped off the excess
>and the
>knob looked like new. Does anyone out there have a modern day
>solution for
>this? I have tried white model paint but it makes a mess -- dries too
>fast
>and too hard to wipe off the excess.
>Thanks & 73,
>Dave K8TRF
>

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 00:07:46 EDT
From: PUNISHER3@aol.com
To: qrp-1@lehigh.edu
Subject: [50491] Re: knob "pointer" touch up
Message-ID: <5a18e586.2511c712@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Dave,

To do what you are saying, I used a White Out PEN. Not the "brush on" white out, but the pen type. These are fairly new (within the past few years) and work very nicely. Just shake it up a few times and wiggle that ball around (which is inside the pen) and the just point and squeeze. It is highly unlikely, but if you happen to "miss" or spill white out where it shouldn't be, you should have a rag, or some kind of towel to quickly wipe it up before it dries (this stuff is a MESS to take off after it dries).

73 and good luck,
Ben
NW7DX

Date: Thu, 16 Sep 1999 00:14:31 EDT
From: DOCROCK1T@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [50492] Re: knob "pointer" touch up
Message-ID: <c0620eef.2511c8a7@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hi Dave,

Latex house paint works fine for indexing knobs. Nearly everyone has partial cans in their garage they saved for touch-up. It is easy to apply and cleans up with water. Works for me.

73/2

Rick...KB7MPG
Livingston, Montana

Date: Wed, 15 Sep 1999 22:58:23 -0500
From: guillotstutoring@juno.com
To: qrp-1@Lehigh.EDU
Subject: [50493] Re: Headphones
Message-ID: <19990915.232251.-986183.3.guillotstutoring@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

When you are singing you get a messed up sound of your own voice, because you hear the sound from your mouth and from your bone structure mixed together. This is the sound (coming through your bone structure) you hear when you cover your ears and talk. So the left ear can hear the right earphone through your bone structure.

> Maybe they interact inside your
>noggin.
>
>Nick, WA5BDU
>
72, Ed Guillot, N5ED, New Orleans, LA
qrp-1#1951, qrparci#3988, ARRL(life)

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Wed, 15 Sep 1999 21:28:36 -0700
From: Jeff Grudin <grudin@vdb.com>
To: qrp-1@lehigh.edu
Subject: [50494] Plans for QRP Afield
Message-ID: <37E071F4.5F5D0F2A@vdb.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well Bummer, my XYL informs me that we are going to visit her family this weekend to celebrate my daughter's birthday (early).

My original plans were to head for the hills and do a field thing. Well I took a couple of hours off this afternoon and installed my screwdriver antenna on my truck. I made a mount that will slide into

the receiver hitch.

I wired it into the cab and and tuned it up on 20 Meters this afternoon. The band had seemed pretty dead from my shack a bit earlier. I used my K2 into a N7VE bridge. I set the bridge to tune and turned the screw until the light went out. Pretty cool.

I heard a LW6 calling CQ and sent my call back. He came right back with a 559. Not too shabby from 5W and a mobile whip.

So if I can get the rig installed in the truck by Sat, I will at least be able to get 2-3 hours in on our drive to the relatives.

Hmmm.... Captive Loggers

--

73 de AC6KW <mailto:grudin@vdbbs.com>
Jeff Grudin, DVM Web Add: <http://www.vdbbs.com/~grudin>
Ocean Animal Clinic / Cat Clinic of Santa Cruz - Santa Cruz, California
Norcal QRP #1292 QRP-L #16 ARS #351 AR Qrp #131

Date: Thu, 16 Sep 1999 00:03:24 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: N10DL@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50495] Re: DK9SQ mast
Message-ID: <37E0963C.4C144990@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N10DL@aol.com wrote:

>
> Can anyone direct me to a webpage so I may find out more about this mast, I
> am wondering if it would be good for my hiking trips in the White Mt's.
> Aron
> Bedford, NH N10DL

See following. I have both, but have not had time to set them up.
Reports are that setting up is an easy process. Definitely looks more fussy to put up than using a dipole or random wire. But the results are likely to be noticeably better. I'd say it's reasonably portable; but not something

I'd take on a plane trip, unless it was a *radio focused* trip (I won't be taking it to Europe with me).

Below are some messages from w9zm which I have archived.

HI Phil,
Here are the links. I got purchased through Walter in OH. He shipped Oh to Ca in 2 or 3 days.. Total price for the tower and loop was 197 inc. shipping.

73
Duane

<http://www.qsl.net/dk9sq/antennas.htm>

<http://members.xoom.com/oe9pti/>

I like the way they are engineered. I think he put a lot of thought in the design. I have not used the loop a lot. I'm keeping it as a portable setup. I put it up at home when I have time in the evenings. My xyl isn't crazy about the radio in general so I make the best of it and don't try to push things. I had one problem with the mast. I used rg8 coax and its a bit heavy causing the mast to slam down. It caused a slight crack in the end of one of the sections but should be easy to fix with some fiber glass repair stuff. Even glue and tape would work. Just keep that in mind. When you get it up in the air don't pull too hard on any guy lines. Also I use a length of RG58 or RG8 mini for the feed up the mast. I also secure it to the mast with a bicycle toe strap. I have been so busy the past week & not much time for hamming so on air with the loop has been minimal. I gave it a shot on Friday and worked a ly1 and a sk4 with 100 watts.

Give this a thought.. I made a ground plane out of speaker wire. Four 16.5 foot lengths. One radiator and 3 radials. I fed it with 300 ohm twin lead & used a tuner. Put the feed point at 10ft and worked dx like crazy. I can put that rig up at work during lunch and it wouldn't attract too much attention.

Let me know how it works out for you. I'd really like to take a trip to a nice hill and set up the loop around dusk and have at it.

I believe both products are also available from Kanga.

Hope this helps,

73 .. Phil

Date: Thu, 16 Sep 1999 10:13:21 -0400
From: wa8rxi@juno.com
To: qrp-1@LeHigh.EDU
Subject: [50496] HeathKit HW-8
Message-ID: <19990916.101324.-135973.0.wa8rxi@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

QRPer's

HW-8 with HWA-7-1 Power supply.
I have had some really enjoyable QSO's and made it
into quite a few DX logs over the last few years with this 80-40-20 & 15
Meter QRP Rig.
But, have too many QRP Rigs (7) and the new K2 seems to be taking up a
lotta my time :-)
Includes the original Manual and an "HW-8 Handbook" by Mike, WB8VGE.
I'll let her go for \$135.00 to CONUS.

E-Mail direct only Please...
wa8rxi@juno.com
Thanks

Rick Arzadon - WA8RXI
6056 Hipp
Taylor, MI. 48180

313-561-4839

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 06:23:29 -0400
From: "Scott Howell" <n3byy@yahoo.com>
To: <cw@qth.net>, <qrp-1@lehigh.edu>, <tentec@contesting.com>, <larc-
1@webtrek.com>

Subject: [50497] handkey update
Message-ID: <007301bf002d\$88e1f020\$ae61b683@HQ.NASA.GOV>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

ok folks, again you can see a picture of the proposed handkey at <http://www.qsl.net/n9bor> and there's another site, but that address is on the work machine. The storm kept me home or I should say the dog decided he didn't want to go to work today.

In any case, there will be a couple of mods to the key such as a dark blue background instead of black and a possible minor mod to a few parts and finally an adjustment to the positioning of the key.

These are for visual enhancements. There are some who didn't like the fact its a J38, but the overwhelming feeling is everyone knows or has had a J38 at some point.

In any case, I am taking orders and would strongly prefer you send E-mail to n3byy@amsat.org. I am trying to keep the orders in one place just to keep things straight.

I don't believe the cost of the item to be above \$5, but won't know until the final numbers are in place. More ordered, the lower the price.

I will have the following as a minimum. A lapell pin, second a tie tac or bar and keep in mind a lapell pin could also serve as a tie tac as well, and finally its possible if there's enough interest earrings probably in a hoop configuration. I can also get just the piece with no attachment for those who would like to do something on their own.

If interested, please drop me a msg to n3byy@amsat.org.

I am ready to move on this as soon as possible so if interested, please let me know soon. I would like to get the orders wrapped up before the first of October if possible.

Also, tnx to those who signed on and were soooooo patient while I worked to find another vendor and all the other pit falls I encountered on the way.

73 de Scott/n3byy\

73 de Scott/n3byy

Laurel MD

for immediate response, send mail to n3byy@amsat.org

Do You Yahoo!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Thu, 16 Sep 1999 07:16:19 -0400
From: John R Kirby <n3aaz-qrp@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [50498] Whistlers and Floyd
Message-ID: <19990916.071741.-117039.0.n3aaz-qrp@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Good News and Bad News

Bad news, Floyd

Good news, ready up those whistler receivers and tape recorders

Bad news, commercial power is off

Good news, no local (60 Hz) QRM

Whistlers can best be heard *just* before and / or *just* after a QRN
crash.

What is that other stuff? QRP Whistlers?

John
N3AAZ
FM19xa

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 07:23:36 -0400
From: "Jerry W. O'Dell" <jwodel1@ameritech.net>
To: qrp-1@lehigh.edu
Subject: [50499] storm stuff
Message-ID: <4.2.0.58.19990916072236.0097fc30@mailhost.det.ameritech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Anyone know the ham frequencies for the storm?

Know it's off topic, but just hearing the guys talking among
each other is interesting.

73 jerry w8gnd

Date: Thu, 16 Sep 1999 06:49:10 -0500
From: "Chuck Carpenter" <w5usj@globeco.net>
To: bcutter@teal.csn.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50500] Re: Antenna stand-offs
Message-ID: <3.0.2.32.19990916064910.007e7330@bosshog.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Bob et al,

You might try some of the various electric fence insulators found at such places as farm supply stores. You could mount them on the soffit next to the fascia.

>Has anyone seen any sort of stand-off? I would prefer plastic or ceramic
Chuck Carpenter, EM22cv, Point, Rains County, Texas

Date: Tue, 14 Sep 1999 00:39:28 -0600
From: "William R. Colbert" <af852@rgfn.epcc.edu>
To: qrp-1@lehigh.edu
Subject: [50501] Re: Antenna stand-offs
Message-ID: <37DDEDA0.423B5011@rgfn.epcc.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My new RS catalog still lists the standoffs (15-854 = 5 1/2") and a shorter 3" variety. I haven't seen the plastic type in many years, but last ones I had I think came from the old CalRad company. I think Emtech has standoffs designed for the 450 line as does the Wireman.

--

"Politicians are like nappies. Both should be changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"

Ray Colbert, W5XE, 00TC 3618, SOWP 1064M NCT2
(also w5xe@juno.com El Paso, (FAR WEST) TEXAS

Date: Thu, 16 Sep 1999 08:44:42 -0400
From: "Ken Hanks" <ken.hanks@po.state.ct.us>
To: <jwodell@ameritech.net>, "Low Power Amateur Radio Discussion" <qrp-
l@Lehigh.EDU>
Subject: [50502] Re: storm stuff
Message-ID: <002101bf0041\$43554840\$ca313ccc@acer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The hurricane net is on 14.325

Sent from ARRL on 9/15:

The FCC has asked hams not involved in the storm emergency to avoid designated frequencies on HF and VHF that are being used for emergency traffic. The voluntary communications emergency now includes 3993.5 and 3915 kHz in South Carolina, 3923, 3926 and 7232 kHz in North Carolina, 7275 kHz and 3975 kHz in Georgia, and 3620, 3910, 3947, 7260, and 7105 kHz in Virginia. In addition, the FCC requested that hams relinquish 145.17, 145.43, 145.73, 146.76, 147.3 and 147.36 for emergency traffic in Virginia. The FCC has canceled the voluntary communications emergency declared yesterday for 3950 and 7242 kHz for emergency traffic in Florida.

73,

Ken Hanks K1XS
Naugatuck, CT
Ken.Hanks@po.state.ct.us
<http://www.qsl.net/k1xs>

Date: Thu, 16 Sep 1999 08:42:16 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:jwodell@ameritech.net" <jwodell@ameritech.net>
Cc: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [50503] storm stuff
Message-ID: <199909160844_MC2-850F-534E@compuserve.com>

MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain;
charset=us-ascii
Content-Disposition: inline

Jerry:

Someone else posted this earlier = 14.325. And it works. I have been able to hear things during the late afternoon and early evening. Even heard some hams on Bahamas. What I heard was apparently a net, with an XYL getting reports. Good luck.

72,
--Doc Lindsey/K0EVZ
DSBF
PO BOX 6028
Bismarck, ND 58506
70511.3041@compuserve.com

Date: Thu, 16 Sep 1999 09:21:26 -0400
From: Bruce Muscolino <w6toy@erols.com>
To: QRP-L@LEHIGH.EDU
Subject: [50504] The Black Cat Tuna Tin 2 Event
Message-ID: <37E0EED6.549E@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ARRL Hosts the QRP ARCI for a Black Cat Halloween Special Event

On October 30 and 31, 1999 the American Radio Relay League will host the QRP Amateur Radio Club International for a "Black Cat" QRP on-the-air party for all QRPers. For two days, W1AW/QRP will be on the air using the actual original Tuna Tin 2 transmitter designed and built by Doug DeMaw, W1FB! The "Black Cat" theme was chosen to tie the Tuna Tin 2 to Halloween, for a night of ghostly fun that QRPers can talk about for years.

The Tuna Tin 2, so called because it used a common tuna fish tin for a chassis and two 2N2222 transistors was introduced to the world in May, 1976 in a QST feature article by Doug DeMaw. For many hams, it served both as their first QRP experience, and their first building experience.

Even though it disappeared under mysterious circumstances from the ARRL Lab, it was later rediscovered at a hamfest over 100 miles away from

ARRL HQ. Rescued from an ingominious end under that hamfest table by Ed Hare, W1RFI, a well-known QRP'er who works in the ARRL Lab, it was restored to full operation in June of 1999 by Bruce Muscolino W6TOY/3. It is still in use today! Over this summer, it has had a short but exciting career, on the air from W1AW and W1RFI, travelling to various distant locations and hamfests to let others see the "real deal!" Now it comes home to rest up for this fall's operating event.

The original Tuna Tin 2 operation will be on 40 meters for the entire period. Late night operation will be directed toward working as many DX stations as can be heard! (QRP DX includes many parts of the United States as well as overseas hams.) You don't have to be using QRP to work the Tuna Tin 2, just listen around 7040 kHz for W1AW/QRP and give us a call! Additional Tuna Tin 2 replicas will be operating on 10.106 and 14.060 MHz, to give all the best chance to participate in this QRP extravaganza.

Certificates and special QSL cards will be issued to commemorate this ARRL/ARCI special event. Hams are welcome to stop by W1AW over the event weekend to see the original Tuna Tin 2. Operating time may be limited, but those who wish to operate the original Tuna Tin 2 should be able to make few contacts. Please set aside some time Halloween weekend to work W1AW/QRP, and each other for a weekend of informal QRP fun! Contact Bruce Muscolino, W6TOY (w6toy@erols.com) or Ed Hare, W1RFI (w1rfi@arrl.org) for more details.

Date: Thu, 16 Sep 1999 08:59:57 -0400
From: Bill B Lazure <n2tpa@juno.com>
To: rwc@frii.com
Cc: qrp-l@lehigh.edu
Subject: [50505] Re: BNC's for RG-174?
Message-ID: <19990916.093609.7606.7.N2TPA@juno.com>

Rod,

I picked some up from a company doing the Northeast convention a few years ago. The company was called Connectors Unlimited. Don't know the web site, but the connectors were \$1.79 each. Also had RCA jacks for \$.25 each.

Perfect fit, well constructed. I use them for patch cables and test leads. A pair of alligator clips on the other end of the cable, and you can tie anything to your rig or test equipment.

GL,

Bill
W2EB

"Rod, N0RC" writes:

>Folks:

>And now for something completely different...a radio topic! TIC

>I'm looking for BNCs for RG-174, Mouser has some for abt \$6. Expensive

>experiment. Have you used them? Do they work? And, what kinda ham

>would I be if

>I did ask: Where can I get them cheaper?

Get the Internet just the way you want it.

Free software, free e-mail, and free Internet access for a month!

Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 09:34:33 -0400

From: Bill B Lazure <n2tpa@juno.com>

To: qrp-l@lehigh.edu

Subject: [50506] Weird 2n2/40 problem

Message-ID: <19990916.093609.7606.9.N2TPA@juno.com>

Gang,

I finally put my 2N2/40 into an enclosure. Looks pretty good. I hooked it up on the workbench, and it plays even better than before. Guess the extra shielding helps. When I brought it over to the radio bench and plugged it in there, it went deaf.

When installed on the radio bench, the only discernible difference is the power source. I'm using the same speaker and antenna connection. The rig powers up, as I hear an initial "pop" and hiss from the speaker, and I measure that same 13.86VDC on the collectors of the finals. I seems as if my RF connection is gone as I can't hear any difference with it unplugged or plugged in. Even touching the coils of the RF and IF section produce no noise or hum.

I moved it between the two benches several times keeping the cables as immobile as possible. Only difference was which power supply I used. Same problem occurs using different power, speaker, and antenna cables.

I'd appreciate any ideas on this one. OBTW, the radio bench supply is the one I run my QRP+ with. It works up to 3 Amps.

Tnx,

Bill

W2EB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 09:42:17 EDT
From: Robspark@aol.com
To: qrp-1@lehigh.edu
Subject: [50507] AR QRP 40m Net Results
Message-ID: <53575a95.25124db9@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

The AR-QRP Net 6 QNIs last night. The began at 0030Z and ended at 0100.
Propagation was fair. Check-in went smoothly and quickly, thanks to
everyone's flexibility with the "single letter/full call" technique. The net
is a fun place to just listen and brush up on CW, even if one does not choose
to QNI! Thanks to those who participated! Here are the stations that checked
in:

N5IB Jim
AB5WX Dave
AA0B Roy
W2XN Fred
N50BC Mark
N8KBG Ron

The NCS was Bob AB5ZD, using the AR QRP Club call NQ5RP, QTH Alexandria LA,
running 5 watts to a G5RV up about 25 feet in pecan trees. Orientation of
the ant wire is NNW to SSE. Following is a list of Arkansas QRP Club nets:

Monday Night	0030Z	3.560 MHz
Wednesday Night	0030Z	7.042 MHz

Non-members are welcome (and encouraged) to QNI!

72,

Bob AB5ZD

Date: Thu, 16 Sep 1999 06:48:37 -0700
From: Phil Wheeler <w7ox@mindspring.com>
To: QRP List <qrp-1@lehigh.edu>
Subject: [50508] ZM-2 Construction

Message-ID: <37E0F535.872B8F02@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

ZM-2 builders,

A bit after midnight, I finished assembling my ZM-2 ATU kt, except for mounting the torroidal coils.

I'm a bit uncomfortable hanging the large torroid by its leads off the fragile-appearing tabs of the tuning caps. Has anyone come up with a good way to secure it better while still doing the entire assembly on the front panel per the EMTech manual?

Please reply to my email address; I've temporarily suspended the list to avoid chiking my email, due to long working hours (which is why I'm doing kit builds too late into the night, a precarious approach!).

Tks es 72/73,

Phil W70X

Date: Thu, 16 Sep 1999 10:52:06 EDT
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [50509] appology to the list members
Message-ID: <19990916.075325.7823.19.ka7you@juno.com>

Sorry gang, I didn't mean to send the personal mail to everyone.
7 3,

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251 QRP-L #844 NWQRP #120 NorCal #2007 and others

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Thu, 16 Sep 1999 11:02:38 EDT
From: charles k brown <n4so@juno.com>
To: qrp-l@lehigh.edu

Subject: [50510] Mailing lists and reflectors
Message-ID: <19990916.150045.8231.2.n4so@juno.com>

This is a long file of reflectors and mailing lists
for specialized interests.
Ask for the lists.txt file and I will send it to you from
this computer.

Ken Brown N4SO
Mobile, AL/EM50tk
NorCal-20/5 watts/4 ele. beam

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: 16 Sep 1999 11:19:37 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: k10j@ditdit.com
Cc: qrp-l;;
Subject: [50511] Re: Headphones
Message-ID: <1999Sep16.111937-0400@[130.113.234.7]>

In <006b01beffd2\$388c81e0\$3cb83ed8@swbell.net>, K10J wrote:
>Howdy All...
>I was recently at a friends station and we were listening to the difference
>between his Heil headphones and mine. I could not figure out why his had an
>'easier' to hear cw note. Finally he told me he had reversed the plus and
>minus wires on only one ear element. The improvement was notable. How does
>this work?
>

OJ,

Man, this is a controversial subject. You're getting
into phasing sensitivity of hearing perception. And its a very
interesting area for experimentation. Rick Campbell (of R2
receiver fame) recently did a phasing receiver where he sent
separate in-phase (I) and out-of-phase (Q) signals to each
ear, in an attempt to let the "grey matter" figure out
where sideband signals were. The result is hard to describe.

I've always tried to wire stereo headphones in series, which
raises load impedance on the audio amp, and makes it work
less hard. But doing so means that each ear gets
signals that have a 180 degree phase relationship.

Wiring for parallel operation, with tip and ring connected together, gives a zero degree phase relationship.

I'd guess that the zero-degree phasing is better, resulting in "centered" audio....you get a sense that the signal appears in the middle of your head, or right in front of you.

With 180 degree phasing, your sense of direction can get confused...when you think about where the signal is (in space) you're not really sure.

Date: Thu, 16 Sep 1999 09:31:53 -0600
From: jaywa5whn@juno.com
To: qrp-l@lehigh.edu
Cc: k6yej@aol.com, k5qq@juno.com, rjhufna@juno.com
Subject: [50512] QRP Afield this weekend
Message-ID: <19990916.093158.-503039.0.jaywa5whn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

We are a few days away from "QRP Afield". Break out those colorful new radios {NC20's, DSW-x0's, K2's, et al} & let's all meet on the air. You can abuse the older radios too. ;-)

<http://www.fix.net/~jparker/norcal/qrpafield99/qrpafield99.htm/>

A suggestion; those of us who will be camping out (/P category) on Saturday {Sept. 18}, do we want to meet around 7.040 MHz & 7.147 MHz (cw) on Saturday night for some informal qso's ?

My QTH {Sept. 18 & 19}

QRP Afield:	Latitude: 35 degrees 51
minutes 57.36 seconds North	
	Longitude: 106
degrees 51 minutes 52.08 seconds West (WGS-84 datum)	
	elevation:
9,473 feet asl {San Miguel Mountain}	
	(4WD required,
17" ground clearance a necessity)	

New Mexico Search and Rescue has stated that if I get lost, they will not come looking for me. ;-)

72...Jay, WA5WHN {monitoring
146.52 MHz FM simplex, wilderness protocol on Sept. 18 & 19}

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: 16 Sep 1999 12:10:30 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: qrp-l;;
Subject: [50513] NORCAL's toroid kit - designers info [long]
Message-ID: <1999Sep16.121030-0400@[130.113.234.7]>

Homebrewer's interested in NORCAL's latest kit:

What prompted Doug to select the cores from the myraid types offered by Amidon? Or why do you see these cores again and again in the circuits we build?

First, we should separate the cores into two broad groups, because of two general applications where you'll find them: resonant circuits and broadband transformers. The iron powder cores are best for RF resonant circuits where a coil is resonated with a small capacitor. Iron powdered cores are good here for two major reasons- high Q and low temperature drift.

Broadband transformers require good coupling between windings. That means all the magnetic flux should stay in the core. And "broadband" often means that inherent winding impedance be high, even at low frequencies. So you'll want to have high impedance without too many turns. This requires high permeability that iron powdered cores don't have. High permeability comes at a price: higher losses and lousy temperature stability. Ferrite cores are less useful in resonant circuits because of low Q and temperature drift. And conversely, iron powdered cores are less useful as broadband transformers because not all the flux stays in the core, and you need many, many turns to get reasonably high impedance.

Here's a summary of Doug's choices:

Core	Al(nH/t^2)	Perm.	Freq.	Tempco
T37-2	5	10	2-30	95ppm
T37-6	3	8	10-50	35ppm
T50-7	4.3	9	3-35	30ppm
T130-2	11	10	2-30	95ppm
FT37-43	420	850	1-50	10000ppm
FT37-61	55.3	125	10-200	1500ppm

"Core" is Amidon's numbering system where "T" denotes toroid, "37" denotes outside diameter, and "2" is the iron powder recipe. "Al" is the winding factor that relates inductance to number of turns. In this case, one turn would give 5 nH. Inductance is proportional to turns-squared, so ten turns would give 100 times as much inductance (0.5uH) and one hundred turns would result in 50 uH. Note that the "Al" values in this table are different than usual - Amidon specs winding factors for iron powdered toroids as "microhenrys-per-100-turns" and ferrites as "millihenrys-per-1000-turns" :-/ In the table above, its "nanohenry-per-turn-squared".

"Perm" is relative permeability, which tells how much more the flux lines would prefer going through the core than air. Entirely dependent on the core mix recipe.

"Freq." is Amidon's recommendations of useful frequency range for this recipe. Top end is influenced by core losses, bottom end by huge number of turns required.

"Tempco" is the temperature coefficient in parts-per-million per degree(C). I'm guessing that it'd tell how much inductance would change for a one degree (Celcius) change in temperature. Note that tempco actually changes with temperature - these are likely numbers for the region around room temperature. You want low tempco for a VFO coil. The "7" mix has the best, so Doug has chosen to include a T50-7 for use in VFO coils for low drift.

The big T130-2 gives a lot of inductance (Al=11) for use in a tuner.

The two T37-2 and T37-6 types are good for general RF tuned circuit use.

The two ferrite toroids "FT37" have high permeability which means flux lines stay confined inside the material. This ensures that coupling is very tight between windings - great for broadband transformer use. But losses are quite

high resulting in low Q (which gets worse as frequency goes up). If you think "hey, with those nice high Al values, I can get BIG inductance with very few turns - losses should be low", then think again. Core losses are much higher than winding resistance losses and it shows up as low Q.

Look at the tempco - its terrible! These make lousy inductors for critical tuned circuit use, but OK inductors for chokes.

One other thing you have to worry about with ferrite cores is saturation losses. These losses depend on ampere-turns - the product of # turns x current thru those turns. Unlike powdered iron (which are VERY hard to saturate) ferrite cores can only take so much current (AC as well as DC) before getting really non-linear and lossy. Using a FT37-43 core as the collector choke in a 40-meter 5W final amp pushes it close to the limit. Losses show up as heat, so if your core gets hot, you're wasting RF power heating ferrite rather than the ionosphere. You need a bigger core, or one with a higher frequency spec (that'll require more turns).

These ferrites lose their magnetic properties at high temperature. Above the "Curie" temperature of 130 degrees (C), a FTxx-43 core might as well be made of glass - permeability drops to about one. For the FTxx-61 core, Curie temperature is 350 C.

For more info, visit Bytemark's STUPENDOUS, AWESOME website:

<http://www.bytemark.com/amidon>

or have a look in the HANDBOOK chapter 25.

-Glen VE3DNL

Date: Thu, 16 Sep 1999 10:26:57 -0600
From: "Dick Schneider" <dschneider2@uswest.net>
To: "cqclist" <cqclist@cqc.org>, "QRP-L" <qrp-l@Lehigh.edu>
Subject: [50514] QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
Message-ID: <000d01bf0060\$4c1ea380\$bd9ca0d8@dnvr.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

COLORADO QRP CLUB TO PUT RARE STATE ON THE AIR DURING QRP AFIELD: WYOMING!

Yes, intrepid CQC members will "run the border" in W0HEP's RV/QRP Command Center. The target operating site will be in the Snowy Range. But actual border crossing time and location will remain undisclosed for obvious security reasons. It is a well-known fact out here in the Wild West that all three of Wyoming's hams (all QRO operators) patrol the crossing points between Colorado and the Cowboy State turning back all QRP operators. CQC does have club members in Wyoming, but they are under deep cover and there whereabouts are kept secret. This border dispute can be traced all the way back to the day some Colorado politicians rode into Wyoming and stole Buffalo Bill's body and reburied him next to all the TV towers west of Denver. Of course, back then all the towers -- and the wires -- were made out of wood. But I digress.

During QRP Afield, look for:

W0CQC/7

80M-40M-20M-15M-10M
(BUT MOSTLY WHERE THE ACTION IS)

We will QSL 100%!

Operators: Rich W0HEP & Dick AB0CD

Possible guest operator: Al K0FRP (this depends on whether he can escape his extraordinarily lengthy "honey do" list and if the mechanics over at the Edgewater police department can get their helicopter working to run Al up to Wyoming.)

OK. That's the contest info. Now for:

SKEDS!

Yes, we'll run skeds for anyone who wants to collection Wyoming/QRP.

80-10 Meters. QRP Frequencies +/- for QRM/QRN

W0CQC/7 OPERATING SCHEDULE

LOCATION: Snowy Range between Centennial and Saratoga (we'll figure out the grid square and county)

(All Dates/Times are UTC)

SATURDAY 9-18-99

1800-2400(0000) QRP AFIELD - NO SKEDS

SUNDAY 9-19-99

0000-0100 DINNER BREAK - NO SKEDS

W0CQC/7 will listen for calls and/or call CQ at the top 15 minutes of select hours on 40M and 20M, per the following schedule:

0100-0115 - 7040
0200-0215 - 7040
0300-0315 - 7040
0400-0415 - 7040
1300-1315 - 7040 (This is during the "bonus" time during QRP Afield)
1400-1415 - 7040 (This is during the "bonus" time during QRP Afield)
1500-1515 - 14060 (This is during the "bonus" time during QRP Afield)
1600-1615 - 14060 (This is during the "bonus" time during QRP Afield)

NO SKEDS DURING ABOVE TIMES

Other times during these operating periods - basically the last 45 minutes of each hour between 0100-0500 (that's 7p-11p MDT Sat. night) and 1300-1700 (that's 7a-11a MDT Sun. morning) - we will handle SKEDs, work DX, and generally mess around the QRP frequencies on open bands. You might hear us calling CQ. CW primarily. 3560, 7040, 10106, 10116, 14060, 21060, 28060.

ARRANGING SKEDS:

DEADLINE: 0600UTC 9-18-99 (MIDNIGHT FRIDAY NIGHT MDT)
EMAIL: AB0CD@ARRL.NET (BACKUP: dschneider2@uswest.net)
PHONE: 303-758-9519 (Leave message)
BAND: We'll try anything 80-10. We will operate QRP only. CW/SSB.
QSL: 100%

FOR ANY SKED, WE WILL LISTEN/CALL FOR 5 MINUTES FROM THE APPOINTED TIME.

ON-BOARD GEAR:

MAIN STATION: TS570D (IC706 BACKUP)
ANTENNA: G5RV
ADD'L STATIONS: WILDERNESS SIERRA (QRPP), NN1G 40M, SW40, SW30, HW7, MFJ20

72 Dick AB0CD & Rich W0HEP..

Date: Thu, 16 Sep 1999 12:35:20 -0400

From: David Hinerman <dlh1009@ritvax.isc.rit.edu>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [50515] Re: NORCAL's toroid kit - designers info [long]
Message-ID: <37E11C48.2E68A44E@rit.edu>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

Glen Leinweber wrote:

>
> Homebrewer's interested in NORCAL's latest kit:

Glen,

An excellent post! Clearest discussion of inductor core materials I've ever seen. And I seen a lot.

> in the core. And "broadband" often means that
> inherent winding impedance be high, even at low
> frequencies. So you'll want to have high impedance
> without too many turns.

Is there a "rule of thumb" for the impedance you want for a given application?

For example, I want to couple a 50-ohm antenna lead to a 2-30 MHz amplifier stage whose input is 200 ohms. If I remember correctly, this requires a 2:1 turns ratio. (Impedance ratio is equal to turns ratio squared, right?) The 200 ohm load is transformed to 50 ohms by the transformer, but the transformer has inductance which appears as a reactance in parallel with the transformed load impedance. (Did I get that part right?) It seems to me I'd want a high reactance. How high is high enough?

Dave

Dave Hinerman WD8CIV
dlh1009@rit.edu

Date: Thu, 16 Sep 1999 09:36:56 -0700
From: Jim Lowman <jmLowman@ix.netcom.com>
To: rules@bellsouth.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50516] Re: Contest Software. Was Re: Open Letter
Message-ID: <37E11CA8.1A7EF59F@ix.netcom.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Randy Jouett wrote:

> Since we're talking contest software, I have a question.
> Has anyone written a contest package using a relational
> database management system like MS Access or in SQL?
> IMHO, this would be a trivial piece of code, if I'm thinking
> correctly here.

For the DXer, DXbase2000 uses an Access database. The other logging software that I use, WriteLog, may as well. I just picked up a copy at Ft. Tuthill, and haven't had a chance to do much more than install it.

When I went shopping for logging software, my #1 concern was something that would run under Windows 95/98/NT4. The fact that it also uses the Access DB was icing on the cake.

72 de Jim - AD6CW

Date: Thu, 16 Sep 1999 10:02:55 -0700
From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)
To: <qrp-1@lehigh.edu>
Subject: [50517] NorCal Tuna Tin Offer for Pacificon Attendees only
Message-ID: <01bf0065\$52157ca0\$630a0d0a@doug.dpol.k12.ca.us>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Guys, the NorCal Tuna Tin/MRX free kit offer is for attendees of Pacificon only. The reason is that we will be using the rigs for a special operating event at Pacificon. We are not selling any Tuna Tin kits at this time, we only have 50, and they go to the guys who are attending. If you are coming to Pacificon, and want to be part of this activity, send me an email message that says you will build the kit and bring it to Pacificon. Please put "NorCal Tuna Tin Offer" in the subject line.

We have 20 kits left. 72, Doug, KI6DS

Date: Thu, 16 Sep 1999 13:08:04 -0400
From: "George Goodroe" <goodroe@worldnet.att.net>
To: "Qrp-L@Lehigh.Edu (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [50518] FS: MFJ 9040
Message-ID: <000201bf0066\$0dc45ca0\$3034fea9@ggoodroe>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

For Sale:

MFJ 9040 40 Meter QRP Transceiver
go to <http://www.mfjenterprises.com/transceivers/mfj9040.html> to check it
out !

with - Keyer add on board and CW filter add on.

Manual included.

\$185

1st Email to me gets it...Then we'll work out the details.

Thanks and 73 de KF4CPJ
George Goodroe, QRP-L #1943
St. Petersburg, Florida USA
80 Meter high noise capital of the USA <grin>
<http://home.att.net/~goodroe>
<http://www.qsl.net/kf4cpj>

Date: Thu, 16 Sep 1999 10:18:10 -0700 (PDT)
From: Jim Hale <kj5tf@yahoo.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [50519] Re: QRP AFIELD: W0CQC/7 TO ACTIVATE WYOMING!
Message-ID: <19990916171810.19061.rocketmail@web701.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bravo to you'all for giveing us WY !

Many, many hams need WY for the popular ARCI QRP/QRPP
WAS award.

Myself, I need WY for the above awards, PLUS my

milliwatt worked all states effort. Besides WY, I still need KS, KY, & NE. I think my average power per state is around 1.4w right now.

Listen for me calling you @ <1w (maybe wayyyy less than 1w!) But if condx are not kind, I'll just have to run my power up to <5w.

I'll be operating in my field @ 2200' here in the Ozarks. Planned bands of operation are 20/15M. But just in case I'll have 10M ready.

Equipment is my Index Labs QRP+ XCVR, WM-2 QRP wattmeter, & 2 AH nicad btry packs/5w solar panel. For a vertical antenna, I use a thin wire stinger, held up by the 20' Black Widow collapsable fishing pole and two raised radials. I trim the wires for sweet SWR's with my MFJ-249 antenna tester. And re-test with the WM-2 to double check.

Looking forward to the weekend, its even cleared with the XYL!

73's, 72's, and sometimes 71's de Jim KJ5TF

>COLORADO QRP CLUB TO PUT RARE STATE ON THE AIR DURING QRP AFIELD: WYOMING!

>

>Yes, intrepid CQC members will "run the border" in WOHEP's RV/QRP Command

>Center. The target operating site will be in the Snowy Range. But actual

>border crossing time and location will remain undisclosed for obvious

>security reasons. It is a well-known fact out here in the Wild West that

all

>three of Wyoming's hams (all QRO operators) patrol the crossing points

>between Colorado and the Cowboy State turning back all QRP operators. CQC

>does have club members in Wyoming, but they are under deep cover and there

>whereabouts are kept secret. This border dispute can be traced all the way

>back to the day some Colorado politicians rode into Wyoming and stole

>Buffalo Bill's body and reburied him next to all the

TV towers west of
>Denver. Of course, back then all the towers -- and
the wires -- were made
>out of wood. But I digress.
>
>During QRP Afield, look for:
>
>W0CQC/7

Do You Yahoo!?
Bid and sell for free at <http://auctions.yahoo.com>

Date: Thu, 16 Sep 1999 11:34:14 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>,
K10J <k10j@ditdit.com>, Serge Bertuzzo <103226.3635@compuserve.com>,
"Ron Z." <zoeerb@ibm.net>, Doc Lindsey <70511.3041@compuserve.com>, Al
Weinstein <alweinstein@cpol.com>, Allen Harris <ath@globalserve.com>,
Subject: [50520] RAC plaques
Message-ID: <Pine.LNX.3.95.990916111713.5744B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

The response to my request to take care of the last \$40.00 Canadian, has
been super!...so I'm sending this message to the 7 people who responded
and asking that you send me \$5.50 Cdn and that will finish up the complete
total of \$500.00.....how you send the money to me is up to the
individual...I will e-mail each of you, confirming the arrival of your
contribution....thank you all for helping with this project...when I get
time you will all be recognized on the QRP-Canada web page...tnx agn!

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: 16 Sep 1999 13:38:54 -0400
From: Glen Leinweber <leinwebe@mcmail.cis.McMaster.CA>
To: dlh1009@ritvax.isc.rit.edu
Cc: qrp-l;;
Subject: [50521] Re: NORCAL's toroid kit - designers info [long]
Message-ID: <1999Sep16.133854-0400@[130.113.234.7]>

In <37E11C48.2E68A44E@rit.edu>, David Hinerman wrote:

>For example, I want to couple a 50-ohm antenna lead to a 2-30 MHz
>amplifier stage whose input is 200 ohms. If I remember correctly, this
>requires a 2:1 turns ratio. (Impedance ratio is equal to turns ratio
>squared, right?) The 200 ohm load is transformed to 50 ohms by the
>transformer, but the transformer has inductance which appears as a
>reactance in parallel with the transformed load impedance. (Did I get
>that part right?) It seems to me I'd want a high reactance. How high is
>high enough?
>

Dave,

OK, in your example, the critical info for
of turns is the 2MHz lower frequency limit, and
the 200 ohm load impedance.

You want the 200 ohms of load impedance
to dominate over the winding impedance. For your
parallel model of transformer reactance (in parallel
with the 200 ohms) you'd like the transformer reactance
to be something like (at least) five times the 200
ohm load. So how many turns is required to give
200*5 ohms at 2MHz?

Inductive reactance = $2 * \pi * F * L$

We want to find inductance L that gives 200*5 ohms:

$L = 200*5 / (2 * \pi * 2000000)$

L = 79.6 microhenries, or 79600 nanohenries

The A1 winding factor for the FT37-43 core is
420 nanohenries per turn-squared.

So you need $\sqrt{79600/420}$ turns: that's 13.76 turns
No such thing as a fraction of a turn with ferrites,
so round up to 14 turns.

You could build your 200 ohm to 50 ohm transformer
a couple different ways:

One winding of 14 turns for the 200 ohm side, another
winding overlaid of 7 turns for the 50 ohm side.

Another way:

A bifilar winding of seven turns, which is two separate
wires, wound together. Connect the end of one wire to
the start of the other. The 200 ohm load goes across
the series connected ends, while the 50 ohm source
goes between one end and the "center-tap" where
the two windings join. This would be OK for
unbalanced source and load because one winding
connection is common to source and load - that's
ground.

This example should be checked up at the 30MHz. end of the range for losses. Up there, the capacitance between wires starts to become an important part of the winding impedance. If your desired frequency range were smaller, you might want to scale up a few turns more than 14:7 so that the 200 ohm load dominates winding reactance even more.

Date: Thu, 16 Sep 1999 13:11:13 -0700
From: "Jerry Bartachek" <jbartac@max.state.ia.us>
To: qrp-l@Lehigh.EDU
Subject: [50522] RE: Standoffs & Horizontal Loop
Message-ID: <37E14EE1.2586@max.state.ia.us>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Is there any deleterious effect from having a horizontal loop antenna just a few inches away from eave troughs, gutters, and downspouts? If the antenna is tuned via ladder line, I would suspect one could have a nice hidden antenna that would load on all HF frequencies. I'm just curious about absorption, low efficiency, etc. Anyone with actual experience with this antenna close to rain gutters out there?

72,

```
  _ _ _ _ _  
 | / / | \ | / | \ |  
 | \ \ | / | / | \ |  
 | _ \ \ | _ / | / |  
  _  
  /
```

Jerry L. Bartachek <><
Washington, IA
IA QRP #10
QRP ARCI #5166

Date: Thu, 16 Sep 1999 14:20:00 -0700
From: "C. Lamar Derk" <n3at@noln.com>
To: -Reflector <qrp-l@lehigh.edu>
Subject: [50523] Need Address
Message-ID: <37E15EFF.F3EB3BA5@noln.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My sincere thanks to all who sent me info to try to find the address of a fellow-qrp'er.

The address has been found, and my QSL is in the mail.

72 de Lamar, N3AT

Date: Thu, 16 Sep 1999 14:46:12 -0400
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [50524] Re: BATTERY RATING QUESTION
Message-ID: <37E13AF4.29DE441@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Maybe, if your 12 volt rig still works at 6.4 volts--Zack W1VT

Date: Thu, 16 Sep 1999 13:31:10 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [50525] RAC plaques (fwd)
Message-ID: <Pine.LNX.3.95.990916132705.13235A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

oooopps....forgot to put my mailing address in the posting about the final \$40.00 for the RAC QRP plaques....sri....

Bruce Rattray,
128 Durham Drive,
Regina, SK. S4S-4Z2
Canada

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Thu, 16 Sep 1999 14:42:22 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50526] Re: QRP-L, Let's take it back!!!
Message-ID: <37E13A0D.F7F143A7@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Bands not good this week. But last week I got two new African contries in 15 meters. Also got a HB9 wwwho was running 8 watts on 30 with my SW30+.

Ed AB8DF

Paul R. Valko wrote:

>
> Ok gang,
>
> Are you as sick of the pro-this, anti-that, not-qrp-related-anything?
>
> Well guess what... Chuck's moving, so he's not available to warn
> or otherwise give his size 14 Texas boot firmly to the rear of those who
> so richly deserve it, it's up to US to TAKE IT BACK!!!
>
> The QRP-L FOXHUNT starts in a few weeks. The reflector will be S000oooo
> buried with REAL QRP messages that the others will be just little blips in
> your inbox.
>
> In the meantime...
>
> WHO have YOU WORKED QRP?
>
> WHAT QRP item have YOU BUILT?
>
> WHEN was the last time YOU TALKED someone INTO turning down the power?
>
> WHERE did you operate QRP-portable?
>
> WHY do you prefer a QRP lifestyle?
>
> HOW have YOU improved your ANTENNA FARM to improve your QRP sigs?
>
> 73! =paul= W8KC
>
> Collector of Ten*Tecs and other fine plastics
> <<http://www.acs.oakland.edu/~prvalko>>

Date: Thu, 16 Sep 1999 14:13:32 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [50527] A BIG THANK YOU!!
Message-ID: <Pine.LNX.3.95.990916140612.14435B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I would like to publicly acknowledge the following list of Amateur Radio Operators who have come together as a group and generously donated their hard-earned money to the sum of \$500.00 in order to sponsor, through QRP-Canada, the QRP Plaque for both the Summer and Winter Radio Amateurs of Canada contests, beginning with 1989...

.....VE6QRP...VE6EWM...K5IU0...VE6AAN...VE6JWA...VE5HQ...NA6E...VE3FUL...
...K10J...KI0II...VA3SB...K0YWD...VE1NN...VE3HVX...K0EVZ...VE5QRP...

...many thanks again to each of you and as a collective group for helping to make this hobby more enjoyable for all by putting something back into it!!

...72 - Bruce(VE5RC+VE5QRP) - ps - if I've forgotten to acknowledge anyone please let me know via my e-mail address.

Date: Thu, 16 Sep 1999 16:18:22 EDT
From: n5ib@juno.com
To: qrp-l@Lehigh.edu
Subject: [50528] Re: BNC's for RG174?
Message-ID: <19990916.150810.4687.2.N5IB@juno.com>

I just received a Marlin P. Jones catalog today. (Cat 99-99ABC)
<<http://www.mpja.com>>
800-652-6733

It lists on page118:

Stock # 5411-RC Economy 3 piece crimp BNC male connector for RG174
\$1.25 each, for 1-24 pcs., \$0.99 for 25-99 pcs., \$0.89 for 100+

usual disclaimer-no connection, etc.....

73

Jim N5IB

Get the Internet just the way you want it.
Free software, free e-mail, and free Internet access for a month!
Try Juno Web: <http://dl.www.juno.com/dynoget/tagj>.

Date: Tue, 07 Sep 99 12:26:40 PDT
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [50529] Re: E-mail filters....
Message-ID: <MAPI.Id.0016.004534514f4b20203030303630303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable

I think that if we all (myself included) were a little more mindful of keeping the subject line accurate and descriptive it would lower the volume for all of us. We all have different interest even within this "narrow" special interest group. A good subject line lets the filters do their job and gives us all the the most bang and least aggravation for our buck.

Bob
KE4QOK

>
> Rick wrote:
> "For those folks who must post eBay notices, flames, opinions, etc. please
> put the keyword "eBay" in the subject field on the message. That way
> those who could care less about eBay can filter your message out."
>
> Great idea but what if you get the digest version of the list? I use
> Eudora light version 1.5.2, no filters. Does the filter thing work if =
> you
> get the digest version of the list? Probably time for me to get a new =
> mail
> program, with filters...

Date: Thu, 16 Sep 1999 15:33:53 -0500
From: Michael Melland <badger@vbe.com>
To: qrp-l@lehigh.edu
Subject: [50530] RE: BNC's for RG174 ?
Message-ID: <37E15431.472B5D0B@vbe.com>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Your post reminded me..... I have 30 or so Amphenol 31-4426 BNC's (crimp on es military) which are new in the packages. They were meant for RG180 TFE cable..... which I think is .141 or .150 diameter..... whats the diameter of RG174 smaller I think..... Wish I could find a use for these.

Mike, W9WIS

Date: Thu, 16 Sep 1999 16:28:44 EDT
From: Davewb4@aol.com
To: qrp-l@lehigh.edu
Subject: [50531] Hy-Gain AV-640 Info?
Message-ID: <53569acd.2512acfc@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Has anyone had any experience with the Hy Gain (Now MFJ) AV-640 8 band vertical?

73

Dave Rogers
WB4CHK

Date: Thu, 16 Sep 1999 14:29:31 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [50532] QRP plaque picture
Message-ID: <Pine.LNX.3.95.990916142709.16567A-1000000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

If you'd like to have a look at the RAC QRP plaque point your browsers to:

<http://www.rac.ca/plak98.htm>

...there's also an interesting story from Ted King, VE3FUL, as winner of the 1998 QRP plaque...

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
A-1 Operator Club - 10/10# 944 - 128 Durham Drive, Regina, SK.,
S4S-4Z2, Canada-AR Stamp Collector- "QRP! How sweet it is!"

Date: Thu, 16 Sep 1999 16:35:56 -0400 (EDT)
From: Bob Patten <n4bp@bc.seflin.org>
To: Elecraft Reflector <elecraft@qth.net>, QRP-L Reflector <qrp-l@lehigh.edu>
Subject: [50533] K2 & Obsessions
Message-ID: <Pine.3.89.9909161641.A17785-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

No, I'm not obsessed with the K2 although it would be very easy. My obsession is with power supplies and I just ran across a gold mine for the K2.

I found a Marlin P. Jones catalog at work and ogled over page after page of both switching and linear power supplies at terrific prices. I finally settled on two and made a phone order yesterday. UPS wheeled up this afternoon with them. I've had one running the K2 key down at five watts into a dummy load for about the past hour.

The one I'm using is a 12V @ 2.5A desktop supply that measures L:4-3/8" X W:2-3/8" X H:1-3/8" and weighs only .62 pound. It uses a standard IEC AC cord, but has an oddball output plug. When I chopped off the plug, I found a single shielded wire. Both the shield and center conductor look like about #18 wire which easily carries the rated output. The part number is 12041-PS and the price \$14.95.

The second one I ordered is a "Medical grade Open switching supply" rated 15V @ 2.6A. It does have a pot on the board, but I have not yet tried this one. Part number is 9106-PS and sells for \$19.95. It does need a case of some sort, but a nice little DIY project.

Marlin P. Jones does have a website, but is not yet ready to take on-line orders. Their URL is <http://www.mpja.com> and their phone 800-652-6733. They do have a minimum \$15 order, but their shipping and handling are "exact cost calculated at time of shipment".

I don't work for them. :-)

73,

Bob Patten, N4BP

(0 0)

Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org

Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>

Brass Pounder BBS: (954) 472-7715

Date: Thu, 16 Sep 1999 17:09:21 -0400
From: Tom M <tjmc@erols.com>
To: w7ox@mindspring.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [50534] Re: ZM-2 Construction
Message-ID: <37E15C81.B42A4BD3@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> I'm a bit uncomfortable hanging the large torroid by its leads off the
> fragile-appearing tabs of the tuning caps. Has anyone come up with a
> good way to secure it better while still doing the entire assembly on
> the front panel per the EMTech manual?

I used a foam peanut behind it.... a little trimming and then just put on
the cover. The torroid is held between the peanut and the caps... no
movement at all.

Tom aa2vk

Date: Thu, 16 Sep 1999 17:10:03 -0400
From: "williswonkas" <williswonkas@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [50535] Small Yagi beams
Message-ID: <004501bf0087\$dc74f2a0\$8776fcd0@oemcomputer>

Hello Gang,

I am wondering if anyone has tried any of the small beams that are
available? Mosley Mini33 , Cushcraft MA5B, or the Hybrid Quad.

I wonder if these are really any better than a dipole or vertical?

If so the small size sure would help in my restricted area.

Thanks & 73

Ken KG4BIG

Date: Thu, 16 Sep 1999 14:47:45 -0700
From: "Phinizy, William" <wphinizy@filenet.com>
To: "'QRP-L List Server'" <qrp-l@Lehigh.edu>
Subject: [50536] Pot Core Question..
Message-ID: <C3AF5E329E21D2119C4C00805F6FF58F01DE042E@hq-expo2.filenet.com>

I had the good fortune(?) to stumble across a mess o' pot cores at a swap meet the other day. There's an old circuit in QRP classics that calls for them, but I haven't seen too much else. I wanted to use them for large-inductance coils (50-100 mH) instead of spending \$1-2 each for the small Mouser guys. Any suggestions, literature, URLs, personal experience, etc. offered by the group mind is greatly appreciated.

..or I could sell them on eBay..

End of QRP-L Digest 1581

